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APPLICATION NO.	1	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/786,056		02/26/2004	Akira Tokai	1083.1102	1083.1102 3288	
21171	7590	12/13/2005		EXAMINER		
STAAS &	HALSE'	Y LLP		PERRY, ANTHONY T		
SUITE 700	YORK A	VENUE, N.W.		ART UNIT	PAPER NUMBER	
WASHING?				2879		
				DATE MAILED: 12/13/200	5	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)						
_	10/786,056	TOKAI ET AL.						
Office Action Summary	Examiner	Art Unit						
	Anthony T. Perry	2879						
The MAILING DATE of this communication Period for Reply	appears on the cover sheet	with the correspondence address	5					
A SHORTENED STATUTORY PERIOD FOR RE WHICHEVER IS LONGER, FROM THE MAILING - Extensions of time may be available under the provisions of 37 CFF after SIX (6) MONTHS from the mailing date of this communication - If NO period for reply is specified above, the maximum statutory period for reply within the set or extended period for reply will, by strong reply received by the Office later than three months after the meanned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUN R 1.136(a). In no event, however, may riod will apply and will expire SIX (6) MO atute, cause the application to become	IICATION. a reply be timely filed ONTHS from the mailing date of this commun ABANDONED (35 U.S.C. § 133).						
Status								
1) Responsive to communication(s) filed on <u>0</u>	<u> 1 December 2005</u> .							
2a) ☐ This action is FINAL . 2b) ☑ 1	This action is FINAL . 2b)⊠ This action is non-final.							
·								
closed in accordance with the practice und	er <i>Ex parte Quayle</i> , 1935 C	.D. 11, 453 O.G. 213.						
Disposition of Claims								
4) Claim(s) 1-15 is/are pending in the applicat	tion.							
4a) Of the above claim(s) 9-13 is/are withdr	4a) Of the above claim(s) <u>9-13</u> is/are withdrawn from consideration.							
5)⊠ Claim(s) <u>14 and 15</u> is/are allowed.								
6)⊠ Claim(s) <u>1 and 5</u> is/are rejected.	Claim(s) <u>1 and 5</u> is/are rejected.							
7) Claim(s) <u>2-4 and 6-8</u> is/are objected to.	•							
8) Claim(s) are subject to restriction ar	nd/or election requirement.							
Application Papers								
9) The specification is objected to by the Exan	niner.							
10)⊠ The drawing(s) filed on 26 February 2004 is	s/are: a)⊠ accepted or b)[objected to by the Examiner.						
Applicant may not request that any objection to	- · ·							
Replacement drawing sheet(s) including the co								
11)☐ The oath or declaration is objected to by the	e Examiner. Note the attach	ed Office Action or form PTO-18	52.					
Priority under 35 U.S.C. § 119								
12)⊠ Acknowledgment is made of a claim for fore a)⊠ All b)□ Some * c)□ None of:	eign priority under 35 U.S.C	. § 119(a)-(d) or (f).						
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3. Copies of the certified copies of the		en received in this National Stag	je					
application from the International Bu		at received						
* See the attached detailed Office action for a	list of the certified copies in	ot received.						
Attachment(s)								
1) Notice of References Cited (PTO-892)	• —	w Summary (PTO-413) lo(s)/Mail Date						
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SE 	, 3/08) 5) ☐ Notice o	of Informal Patent Application (PTO-152	.)					
Paper No(s)/Mail Date 3/23/04 & 2/26/04.	6) Other: _							

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DETAILED ACTION

Election/Restrictions

Claims 9-13 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected invention, there being no allowable generic or linking claim.

Election was made without traverse in the reply filed on 12/01/05.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1 and 5 are rejected under 35 U.S.C. 102(b) as being anticipated by Ariga et al. (JP 01-007669).

Regarding claim 1, Ariga et al. disclose a gas-discharge tube, comprising a tubular body (20d) in which a discharge gas is sealed and a plurality of electrodes (21d), for discharging said discharge gas by applying a voltage to each of said plurality of electrodes, wherein a recess portion is formed on an external surface of said tubular body (20d), and at least one electrode among said plurality of electrodes is placed in said recess portion (See Fig. 5 and abstract).

Regarding claim 5, the recess portion is a trench extending in the axial direction of the tubular body (20d) (See Figs. 5 and 1).

Allowable Subject Matter

Claims 14-15 are allowed.

Claims 2-4 and 6-8 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter:

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Prior art fails to disclose or fairly suggest:

- An inner surface of a region of said tubular body, where electrodes not being placed in said recess portion among said plurality of electrodes are placed, is formed to have a microscopic unevenness, and a secondary electron emission film is provided at a portion where said microscopic unevenness is formed, in combination with the remaining claimed limitations as called for in claims 2 and 6 (claims 7-8 would be allowable for the same reasons since they are dependent on claim 2);
- The inner surface of the portion of said tubular body, where said recess portion is formed, is formed to have a protrusion portion toward the inside, and a member on which phosphor is arranged is placed at the inner surface of said portion of said tubular body where said protrusion portion is formed toward the inside, in combination with the remaining claimed limitations as called for in claim 3 (claim 4 would be allowable for the same reasons since it is dependent on claim 3);
- parallel to each other, and wherein a recess portion is formed on an external surface of the tubular bodies with a first electrode placed in the recess portion of and the inner surface of the portion of said tubular body, where the recess portion is formed, has a protrusion portion toward the inside, and a member on which phosphor is arranged is placed at the inner surface of the portion on the protrusion, in combination with the remaining claimed limitations as called for in claim 14 (claim 15 is allowable for the same reasons since it is dependent on claim 14).

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Other Prior Art Cited

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure include: Beck (US 4,752,935), Ishimoto et al. (US 6,650,055), Shinoda et al. (US 6,633,117), Parker (US 4,956,577).

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to *Anthony Perry* whose telephone number is (571) 272-2459. The examiner can normally be reached between the hours of 9:00AM to 5:30PM Monday thru Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nimesh Patel, can be reached on (571) 272-24597. The fax phone number for this Group is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toII-free).

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Patent Examiner Art Unit 2879 December 12, 2005

Anthony Perry

Mariceli Santiago
Primary Examiner
Art Unit 2879